MVS/VM
Workload Analysis

Briefer: Susan Orndorff
Date: May 2000
Email:
Susan_Orndorff@mech.disa.mil
DSN: 430-8166

MVS CPU Hours by Site

DMC	FY 1998 CIS	FY 1999 CIS	Base 1999 FY 2000 Projection	Base 1999 FY 2001 Projection	Base 2000 FY 2002 Projection
DMC-St. Louis	309,217	602,604	655,883	657,833	872,534
DMC-Mechanicsburg	530,153	706,845	926,607	1,037,353	854,583
DMC-Columbus	417,579	465,010	423,814	429,467	478,881
DMC-Ogden	253,407	310,482	394,426	394,666	305,832
DMC-Oklahoma City	140,524	284,280	254,058	262,098	247,364
RSA-Chambersburg	132,146	121,859			59,790
RSA-Dayton	90,784	18,603			
RSA-Denver	162,695	51,740			
RSA-Huntsville	130,044	69,217			
RSA-Jacksonville	39,923	32,160			
RSA-Rock Island	171,658	59,200			
RSA-San Antonio	60,811	16,147			
RSA-San Diego	27,632	11,770			
RSA-Warner Robins	42,169	8,006			
TOTAL	2,508,745	2,757,923	2,654,788	2,781,417	2,818,984

WESTHEM
FY98 - FY02

Resource Unit	FY 1998 CIS	FY 1999 CIS	Base 1999 FY 2000 Projections	Base 1999 FY 2001 Projections	Base 2000 FY 2002 Projections
CPU Usage	2,508,745	2,757,923	2,654,788	2,781,417	2,818,984
Reel Mounts	143,528	80,842	* 573,061	* 579,693	45,504
Cart Mounts	12,796,782	11,250,853	14,066,700	14,297,461	11,142,742
IO Xfers	649,813,089	701,117,824	724,804,341	753,575,131	707,538,011
DASD	5,036,608,915	5,293,414,096	5,934,331,341	6,218,116,628	4,812,628,993
Reel MB Days	391,283,349	282,289,438	* 481,227,799	* 529,068,408	286,524,406
Cart MB Days	41,608,733,025	45,478,504,316	41,064,137,315	42,636,926,930	43,505,072,354

* Revised Workload for Base Year 1999

	FY 2000	FY 2001
Reel Mounts	60,000	50,000
Reel MB Days	278,500,000	277,000,000

MVS CPU Hours By Customer

SERVICE	FY 1998 CIS	FY 1999 CIS	Base 1999 FY 2000 Projections	Base 2000 FY 2000 Projections	Base 1999 FY 2001 Projections	Base 2000 FY 2001 Projections	Base 2000 FY 2002 Projections
DFAS	752,125	829,934	755,917	747,340	844,413	765,352	773,510
DLA	602,121	607,144	619,012	672,795	627,834	693,454	694,484
NAVY	304,123	320,492	383,971	332,545	403,462	329,568	338,646
ARMY	270,154	295,588	285,110	331,612	286,172	331,633	331,714
AIR FORCE	272,377	362,363	312,525	313,613	316,690	324,053	305,609
MARINES	160,978	212,694	153,589	227,010	153,991	240,631	255,068
DOD	140,964	107,305	138,336	77,705	142,497	83,154	88,954
DISA	3,434	22,354	2,848	25,574	2,852	28,131	30,944
Non-DOD		39		35		36	37
OTHER	2,469	11	3,480	15	3,506	16	17
TOTAL	2,508,745	2,757,923	2,654,788	2,728,244	2,781,417	2,796,028	2,818,984

Air Force
FY98 - FY02

Resource Unit	FY 1998 CIS	FY 1999 CIS	Base 1999 FY 2000 Projections	Base 1999 FY 2001 Projections	Base 2000 FY 2002 Projections
CPU Usage	272,377	362,363	312,525	316,690	305,609
Reel Mounts	77,164	42,646	* 99,754	* 101,366	24,487
Cart Mounts	667,734	693,813	1,297,789	1,313,008	643,063
IO Xfers	49,024,126	64,596,724	56,666,555	57,348,078	49,831,768
DASD	624,633,730	657,979,735	708,429,402	715,974,806	520,328,032
Reel MB Days	64,024,729	63,011,061	* 89,321,968	* 90,605,606	60,461,651
Cart MB Days	3,191,604,742	3,648,001,678	3,768,265,332	3,825,637,430	3,104,694,982

* Revised Workload for Base Year 1999

	FY 2000	FY 2001
Reel Mounts	33,274	27,000
Reel MB Days	51,462,137	54,000,000

Army
FY98 - FY02

Resource Unit	FY 1998 CIS	FY 1999 CIS	Base 1999 FY 2000 Projections	Base 1999 FY 2001 Projections	Base 2000 FY 2002 Projections
CPU Usage	270,154	295,588	285,110	286,172	331,714
Reel Mounts	15,522	10,060	* 402,825	* 403,389	4,368
Cart Mounts	2,887,001	2,742,284	3,613,850	3,625,895	2,706,301
IO Xfers	84,449,878	92,063,261	89,924,339	90,228,968	100,273,451
DASD	290,541,153	690,520,871	669,103,837	671,432,711	731,307,678
Reel MB Days	33,456,992	16,605,158	* 39,360,852	* 39,611,738	17,856,007
Cart MB Days	8,452,717,793	7,562,496,159	8,372,363,118	8,394,708,328	8,227,869,414

* Revised Workload for Base Year 1999

	FY 2000	FY 2001
Reel Mounts	5,640	5,000
Reel MB Days	22,169,268	18,500,000

DFAS
FY98 - FY02

Resource Unit	FY 1998 CIS	FY 1999 CIS	Base 1999 FY 2000 Projections	Base 1999 FY 2001 Projections	Base 2000 FY 2002 Projections
CPU Usage	752,125	829,934	755,917	844,413	773,510
Reel Mounts	22,429	13,181	* 26,221	* 30,138	7,257
Cart Mounts	4,214,625	3,852,184	3,906,471	4,034,535	3,719,761
IO Xfers	164,652,501	181,731,867	149,792,623	168,968,237	151,406,160
DASD	1,668,447,137	1,501,116,996	1,806,115,083	1,982,237,344	1,124,410,091
Reel MB Days	234,643,132	167,584,574	* 248,667,740	* 293,058,617	152,088,206
Cart MB Days	14,520,729,947	18,955,941,987	13,620,326,269	14,858,141,646	14,018,948,945

* Revised Workload for Base Year 1999

	FY 2000	FY 2001
Reel Mounts	8,085	7,430
Reel MB Days	170,999,843	160,000,000

DISA
FY98 - FY02

Resource Unit	FY 1998 CIS	FY 1999 CIS	Base 1999 FY 2000 Projections	Base 1999 FY 2001 Projections	Base 2000 FY 2002 Projections
CPU Usage	3,434	22,354	2,848	2,852	30,944
Reel Mounts	392	-			
Cart Mounts	45,434	39,357	62,653	62,731	109,155
IO Xfers	836,327	2,165,103	1,160,494	1,161,945	4,042,656
DASD	13,605,204	71,297,164	14,288,749	14,306,610	90,998,400
Reel MB Days	310,689	831,931	* 330,624	* 331,038	1,123,246
Cart MB Days	227,748,797	627,041,864	275,025,319	275,369,100	1,229,565,971

* Revised Workload for Base Year 1999

	FY 2000	FY 2001
Reel MB Days	790,131	850,000

DLA
FY98 - FY02

Resource Unit	FY 1998 CIS	FY 1999 CIS	Base 1999 FY 2000 Projections	Base 1999 FY 2001 Projections	Base 2000 FY 2002 Projections
CPU Usage	602,121	607,144	619,012	627,834	694,484
Reel Mounts	9,581	4,715	* 13,692	* 13,866	2,756
Cart Mounts	2,999,930	2,347,357	2,898,097	2,935,550	2,252,446
IO Xfers	112,236,724	106,178,412	113,806,617	115,183,223	124,038,131
DASD	936,254,808	934,357,004	823,580,966	835,051,009	903,886,395
Reel MB Days	13,848,216	10,601,505	* 15,172,737	* 15,508,152	20,152,595
Cart MB Days	6,072,733,333	5,901,460,067	5,898,805,121	5,980,617,479	6,505,895,563

* Revised Workload for Base Year 1999

	FY 2000	FY 2001
Reel Mounts	3,767	3,200
Reel MB Days	21,392,571	20,700,000

DOD
FY98 - FY02

Resource Unit	FY 1998 CIS	FY 1999 CIS	Base 1999 FY 2000 Projections	Base 1999 FY 2001 Projections	Base 2000 FY 2002 Projections
CPU Usage	140,964	107,305	138,336	142,497	88,954
Reel Mounts	2,284	1,424	* 2,439	* 2,534	1,100
Cart Mounts	386,397	256,721	387,041	394,362	140,047
IO Xfers	32,848,712	28,126,146	34,669,955	36,000,993	24,402,734
DASD	302,529,401	207,665,121	234,684,148	240,650,817	129,922,089
Reel MB Days	2,262,246	1,889,982	* 2,729,811	* 2,855,841	2,028,249
Cart MB Days	2,865,758,310	2,111,742,839	2,689,206,350	2,737,460,489	976,816,353

* Revised Workload for Base Year 1999

	FY 2000	FY 2001
Reel Mounts	1,445	1,250
Reel MB Days	1,715,855	1,850,000

Marines
FY98 - FY02

Resource Unit	FY 1998 CIS	FY 1999 CIS	Base 1999 FY 2000 Projections	Base 1999 FY 2001 Projections	Base 2000 FY 2002 Projections
CPU Usage	160,978	212,694	153,589	153,991	255,068
Reel Mounts	158	126	* 1,499	* 1,504	112
Cart Mounts	244,100	298,074	236,233	236,839	352,993
IO Xfers	26,635,896	43,743,523	25,835,910	25,901,691	53,924,067
DASD	194,522,649	187,788,148	262,280,398	263,139,000	225,288,449
Reel MB Days	2,198,312	1,904,853	* 2,284,402	* 2,290,113	2,359,014
Cart MB Days	1,020,063,420	1,386,159,098	979,934,321	982,463,868	1,616,234,025

* Revised Workload for Base Year 1999

	FY 2000	FY 2001
Reel Mounts	133	120
Reel MB Days	1,673,596	2,000,000

Navy
FY98 - FY02

Resource Unit	FY 1998 CIS	FY 1999 CIS	Base 1999 FY 2000 Projections	Base 1999 FY 2001 Projections	Base 2000 FY 2002 Projections
CPU Usage	304,123	320,492	383,971	403,462	338,646
Reel Mounts	15,998	8,690	* 26,625	* 26,890	5,423
Cart Mounts	1,342,985	1,020,988	1,652,247	1,682,143	1,218,893
IO Xfers	179,040,868	182,511,696	252,817,564	258,650,839	199,617,078
DASD	1,003,341,177	1,042,612,428	1,412,511,390	1,491,968,085	1,086,410,625
Reel MB Days	40,539,033	19,860,374	* 83,359,665	* 84,807,303	30,455,438
Cart MB Days	5,097,613,691	5,285,272,579	5,268,811,994	5,390,153,898	7,824,466,122

* Revised Workload for Base Year 1999

	FY 2000	FY 2001
Reel Mounts	7,656	6,000
Reel MB Days	8,296,599	19,100,000

Non-DOD
FY98 - FY02

Resource Unit	FY 1998 CIS	FY 1999 CIS	Base 1999 FY 2000 Projections	Base 1999 FY 2001 Projections	Base 2000 FY 2002 Projections
CPU Usage		39			37
IO Xfers		729			719
DASD		28,982			30,907
Cart MB Days		1,147			290

Other
FY98 - FY02

Resource Unit	FY 1998 CIS	FY 1999 CIS	Base 1999 FY 2000 Projections	Base 1999 FY 2001 Projections	Base 2000 FY 2002 Projections
CPU Usage	2,469	11	3,480	3,506	17
Reel Mounts			6	6	
Cart Mounts	8,576	76	12,319	12,398	83
IO Xfers	88,056	363	130,284	131,157	1,247
DASD	2,733,655	47,648	3,337,368	3,356,246	46,328
Cart MB Days	159,762,992	386,899	191,399,491	192,374,692	580,689

Timeline

- 9 Jun Exclusions due CP
- 16 Jun Baseline sent to DMCs
- 30 Jun Baseline due back to CP
- 14 Jul Updated Baseline and forecast data sent to DMCs for coordination with local customers
- 8 Sep Local customer projections due back to CP
- 15 Sep Service level projections sent to single face to the customer for HQ level coordination/projections
- 10 Nov Service level projections due back to CP
- 17 Nov Workload Projections Finalized